

5™		∵			·
TTGACACCAG	ACCAACTGGT	AATGGTAGCG	ACCGGCGCTC	AGCTGGGATT	CCTAAAATG
TAATGCACAC	TCCATTGGCAT	TCAGCCCGCC	TCTCCTTAGT	CGCCGCCATG	ACGACCGCGT
CCACCTCGCA	GGTGCGCCAG	AACTACCACC	AGGACTCAGA	GGCCGCCATC	AACCGCCAGA
TCAACCTGGA	GCTCTACGCC	TCCTACGTŤT	ACCTGTCCAT	GTCTTACTAC	TTTGACCGCG
ATGATGTGGC	TTTGAAGAAC	TTTGCCAAAT	ACTITCTTCA	CCAATCTCAT	GAGGAGAGGG
AACATGCTGA	GAAACTGATG	AAGCTGCAGA	ACCAACGAGG	TGGCCGAATC	TTCCTTCAGG
ATATCAAGAA	ACCAGACTGT	GATGACTGGG	AGAGCGGGCT	GAATGCAATG	GAGTGTGCAT
TACATTTGGA	AAAAAATGTG	AATCAGTCAC	TACTGGAATT	CCCTTCTCCT	ATCTCTCCCA
GTCCTAGCTG	CTGGCATCAC	TATACTACTA	ACAGACCGCA	ACCTCAACAC	CACCTTCTTC
GACCCCGCCG	GAGGAAGAGA	CCCCATTCTA	TACCAACACC	TATTCTGATT	TTTCGGTCAC
COTGALAGTIT	ATATTCTTAT	CCTACCAGGC	TTCGGAATAA	TCTCCCATAT	TGTAACTTAC
TACTCCGGAA	ATCGCTGTCG	CCTAACCGCT	AACATTACTG	CAGGCCACCT	ACTCATGCAC
CTAATTGGAA	GCGCCACCCT	AGCAATATCA	ACCATTAACC	TTCCCTCTAC	ACTTATCATC
TTCACAATTC	TAATTCTACT	GACTATCCTA	GAAATCGCTG	TCGCCTTAAT	CCAAGCCTAC
GTTTTCACAC	TTCTAGTAA	GCCTCTACCT	GCACGACAAC	ACATAAAAA	AA 3"

Fig. 1

 \mathbb{R}^{2}

DSFEET OBEIDT

PCT/IL99/00485

2/15 CLONE p47

GGGGGACGGAACCCGG

Fig. 2A

CGCTCGTTCCCCACCCCGGCCGGCCGCCCATAGCCAGCCCTCCGTCAC

CLONE T 16

TTGACACCAG

CTCTTCACCGCACCTCGGACTGCCCCAAGGCCCCCGCCGCCGCTCC ACACCAACTGGTAATGGTAGCGACCGGCGCTCAGCTGGAATTCCAAAA

AGCGCCGCGCCGCCGCCGCCGCCTCTCCTTAGTCGCCGCC
AATGTAATGCACACTCCATTGCATTCAGCCCGCCTCTCCTTAGTCGCCGCC

ATG	ACG	ACC	GCG	TCC	ACC	TCG	CAG	GTG	CGC	CAG
ATG	ACG	ACC	GCG	TCC	ACC	TCG	CAG	GTG .	CGC	CAG
AAC ·	TAC	CAC	CAG	GAC	TCA	GAG	GCC	GCC	ATC	AAC
AAC	TAC	CAC	CAG	GAC	TCA	GAG	GCC	GCC	ATC	AAC
,	٠٠٠٠	OAO	0,10	0,10			555	000	AIO	74.0
CGC	CAG	ATC	AAC	CTG	GAG	CTC	TAC	GCC	TCC	TAC
CGC	CAG	ATC	AAC	CTG	GAG	CTC	TAC	GCC	TCC	TAC
GTT	TAC	CTG	TCC	ATG	тст	TAC	TAC	TII	GAC	CGC
GTT	TAC	CTG	TCC	ATG	TCT:	TAC	TAC	TTT	GAC	CGC
•		0.0	. • •						· · · ·	
GAT	GAT	GTG	GCT	TTG	AAG	AAC	TIT	GCC	AAA	TAC
GAT	GAT	GTG	GCT	TTG	AAG	AAC	111	GCC	AAA	TAC
TTT	СТТ	CAC	CAA	TCT	CAŤ	GAG	GAG	AGG	GAA	CAT
TIT	CTT	CAC	CAA	TCT	CAT	GAG	GAG	AGG	GAA	CAT
		J. 1.5								
GCT	GAG	AAA	CTG	ATG	AAG	CTG	CAG	AAC	CAA	CGA
GCT	GAG	AAA	CTG	ATG	AAG	CTG	CAG	AAC	CAA	CGA
COT	000	664	ATC	TTC	стт	CAG	GAT	ATC	AAG	AAA ·
GGT GGT	GGC	CGA CGÁ	ATC ATC	TTC	CTT	CAG	GAT	ATC	AAG	AAA
331	330	OGA	Α10			07.0	O , ()	71.0		
CCA	GAC	TGT	GAT	GAC	TGG	GAG	AGC	GGG	CTG	AAT
CCA	GAC	TGT	GAT	GAC	TGG	GAG	AGC	GGG	CTG	AAT
										A A T
GCA	ATG	GAG	TGT	GCA	TTA	CAT	TTG	GAA GAA	AAA AAA	AAT AAT
GCA	ATG	GAG	TGT	GCA	TTA	CAT	TTG	GAA	~~~	771
GTG	AAT	CAG	TCA	CTA	CTG	GAA	CTG	CAC	AAA	CTG
GTG	AAT	CAG	TCA	CTA	CTG	GAA	ттс	ССТ	тст	CCT
					_					
GCC	ACT	GAC	AAA	AAT	GAC	CCC	CAT	TTG	TGT	GAC
ATC	тст	CCC	AGT	CCT	AGC	TGC	TGG	CAT	CAC	TAT

TTC	Pill	GAG	ACA	CAT	TAC	CTG	AAT	GAG	CAG	GTG
ACT	ACT	AAC	AGA	CCG	CAA	.,CCT	CAA	CAC	CAC	CTT
				> .						
AAA	GCC	ATC	AAA	GAA	TTG	GGT	GAC	CAC	GTG	ACC
стт	CGA	CCC	CGC	CGG	AGG	AAG	AGA	ccc	CAT	TCT
					٠.					
AAC	TTG	CGC	AAG	ATG	GGA	GCG	CCC	GAA	TCT	GGC
ATA	CCA	ACA	ССТ	ATT	CTG	ATT	TT	CGG	TCA	ccc
TTG	_GCG	GAA	TAT	CTC	TIT	GAC	AAG	CAC	ACC	CTG
TGA	AGTT	TATATTO	CTTATCO	CTACCA	GCTTC	GGAAT	AATCTC	CCATAT	T	
					•			_		
GGA	GAC	AGT	GAT	AAT	GAA	AGC	TAA		CGGGC	FAATT
GTAAC	CTTACT	ACTCCG	GAAATO	GCTGT	CGCCTA	ACCGC	TAACAT	TACTGO	<u> </u>	
									_	
			GTGACT						Ţ	
AGGC	CACCTA	CTCAT	SCACCT.	AATTGG	AAGCG	CCACCC	TAGCA	ATATCA		
				~ ~~~ ~		TTOT 8 0		NATOCA!	^	
GCATGTTGGGGTTTCCTTTACCTTTTCTATAAGTTGTACCAAAACATCCAC										
ACCATTAACCTTCCCTCTACACTTATCATCTTCACAATTCTAATTCTACTG										
TTAAGTTCTTTGATTTGTACCATTCCTTCAAATAAAGAAATTTGGTACCCA ACTATCCTAGAAATCGCTGTCGCCTTAATCCAAGCCTACGTTTTCACACT										
ACTA	CCIAG	~~~ 100	01010	300 1 1A	1,00///			0, 10, 10		
										•
AAAAA	144A	AAAAAAA								

Fig. 2A Cont.

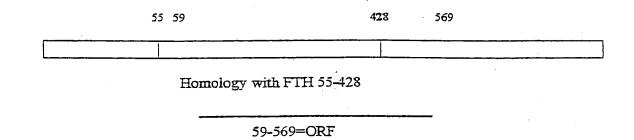


Fig. 2B

<u> 19755555 SEFFIDSTD</u>

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		512
463 C [*] 6486 C [*]	TTCTCCTATCTCCCAGTCCTAGCTGCTGGCATCACTATACTACTAAC TTCTCCTATCTCCCAGTCCTAGCTGCTGGCATCACTATACTACTAAC	6535
513 A 6536 A	GACCGCAACCTCAACACCACCTTCTTCGACCCGCCGGAGGAAGAGACC GACCGCAACCTCAACACCACCTTCTTCGACCCCGCCGAGGA <u>G</u> GAGAC	C 562 C 6505
563 C	CCATTCTATACCAACACCTATTCTGATTTTTCGGTCACCCTGAAGTTTAT	612 6635
	ATTOTTATOCTACCAGGCTTCGGAATAATCTCCCATATTGTAACTTACTA	662 6685

663 CTCCGGAAA 671 6686 CTCCGGAAA 6694

Fig. 3

		(6/15		
TTGACACCAG	ACCAACTGGT	AATGGTAGCG	ACCGGCGCTC	AGCTGGGATT ~	OTALALATO TOTALALTOO
TAATGCACAC AATGCACACT	TCCATTGCAT CCATTGGCAT	TCAGCCCGCC	TCTCCTTAGT	CGCCGCCATG	ACGACCGCGT
CCACCTCGCA	GGTGCGCCAG	AACTACCAGC	AGGACTCAGA	GGCCGCCATC	AACCGCCAGA
TCAACCTGGA	GCTCTACGCC	TCCTACGTTT	ACCTGTCCAT	GTCTTACTAC	TITGACCGCG
ATGATGTGGC	TTTGAAGAAC	TTTGCCAAAT	ACTITICTICA	CCAATCTCAT	GAGGAGAGGG
AACATGCTGA	GAAACTGATG	AAGCTGCAGA	ACCAACGAGG	TGGCCGAATC	TTCCTTCAGG
ATATCAAGAA	ACCAGACTGT	GATGACTGGG	AGAGCGGGCT	GAATGCAATG	GAGTGTGCAT
TACATTTGGA	AAAAAATGTG	AATCAGTCAC	TACTGGAATT	CCCTTCTCCT	ATCTCTCCCA
GTCCTAGCTG	CTGGCATCAC	TATACTACTA	ACAGACCGCA	ACCTCAACAC	CACCTTCTTC
GACCCCGCCG	GAGGAAGAGA	CCCCATTCTA	TACCAACACC	TATTCTGATT	TTTCGGTCAC
CCTGAAGTTT	ATATTCTTAT	CCTACCAGGC	TTCGGAATAA	TCTCCCATAT	TGTAACTTAC
TACTCCGGAA	ATCGCTGTCG	CCTAACCGCT	AACATTACTG	CAGGCCACCT	ACTCATGCAC
CTAATTGGAA	GCGCCACCCT	AGCAATATCA	ACCATTAACC	TTCCCTCTAC	ACTTATCATC
TTCACAATTC	TAATTCTACT	GACTATCCTA	GAAATCGCTG	TCGCCTTAAT	CCAAGCCTAC
GTTTTCACAC	TTCTAGTAA	GCCTCTACCT	GCACGACAAC	ACATAAAAAA	AA

Fig. 4

7/15
TTGACACCAGACCAACTGGTAATGGTAGCGACCGGCGCTCAGCTGGAATTCCAAAAAATGT

AATGCACACTCCATTGCATTCAGCCCGCCTCTCCTTAGTCGCCGCC										
met	thr	thr	ala	ser	thr	ser	gln	vai	arg	gin
ATG	ACG	ACC	GCG	TCC	ACC	TCG	CAG	GTG	CGC	CAG
250	— bar	hio	alo	**	ser	din	ala	ala	ila	202
asn AAC	tyr TAC	his CAC	, gln CAG	asp GAC	TCA	giu GAG	GCC	ala GCC	ile ATC	asn AAC
		0,10	٠,٠٠			. 1.			,	, , , ,
arg	gln	ile	asn	leu	glu	leu	tyr	ala	ser	tyr
CGC	CAG	ATC	AAC	CTG	GAG	CTC	TAC	GCC	TCC	TAC
val	tyr	leu	ser	met	ser	tyr	tyr	phe	asp	arg
GTT	TAC	CTG	TCC	ATG	TCT	TAC	TAC	111	GAC	CGC
asp .	asp	val	ala	leu	lys	asn	phe	ala	lys .	tyr
GAT	GAT	GTG	GCT	TTG	ÁAG	AAC	TTT	GCC	ÁAA	TAC
5 50	lou	his	-1-		his	c lu	glu	ara	gin	his
phe TTT	leu CTT	CAC	gin CAA	ser TCT	CAT	glu _. GAG	GAG	arg AGG	GAA	CAT
• • •	0.,	٥٨٥	0,74	, 0,	3 , (1	.		7.00	-	4 ,
ala	glu	lys	leu	met	lys	leu	gin	asn.	gin	arg
GCT	GAG	AAA	CTG	ATG	AAG	CTG	CAG	AAC	CAA	CGA
gly	giy	arg	ile	phe	leu	gin	asp	ile	lys	iys
GGT	GGC	CGA	ATC	TTC	CTT	CAG	GAT	ATC	AAG	·AAA
pro	asp	cys	asp	asp	trp	gtu	ser	gly	leu	asn
CCA	GAC	TGT	GAT	GAC	TGG	GAG	AGC	GGG	CTG	AAT
-in		mls.		ala	leu	his	leu	glu	lys	asn
ala GCA	met ATG	glu GAG	cys TGT	ala - GCA	TTA	CAT	TTG	GAA	AAA	AAT
00,1	7.10	٠,٠٠		33.						
vai	asn	gln	ser	leu	leu	glu	phe	pro	ser	pro
GTG	AAT	CAG	TCA	CTA	CTG	GAA	TTC	ССТ	TCT	CCT
ile	ser	pro	ser	pro	ser	cys	trp	his	his	thr
ATC	тст	CCC	AGT	CCT	AGC	TGC	TGG	CAT	CAC	TAT
thr	thr	asń	arg	pro	glu	pro	gln	his	his	leu
ACT	ACT	AAC	AGA	CCG	CAA	ССТ	CAA	CAC	CAC	стт
1						h.m.	250	P.C.	his	ser
leu CTT	arg CGA	CCC	arg CGC	.arg CGG	arg AGG	lys AAG	arg AGA	CCC pro	CAT	TCT
<u> </u>	UGA	000	- 000	000	7,00					
ile	pro	thr	pro	ile	leu	ile	phe	arg	ser	pro
ATA	CCA	ACA	CCT	ATT	CTG	ATT	TTT	CGG	TCA	ccc

TGA AGTTTATATTCTTATCCTACCAGGCTTCGGAATAATCTCCCATATTGTAACTTAC

TACTCCGGAAATCGCTGTCGCCTAACCGCTAACATTACTGCAGGCCACCTACTCATGCAC

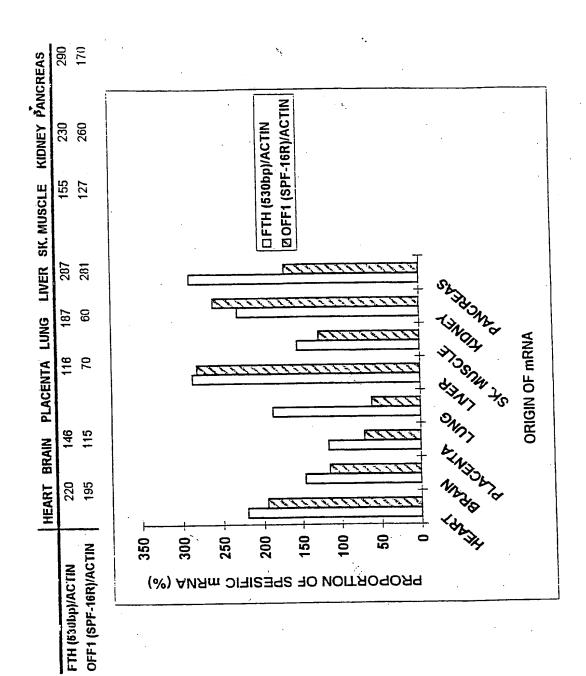
CTAATTGGAAGCGCCACCCTAGCAATATCAACCATTAACCTTCCCTCTACACTTATCATC

TTCACAATTCTAATTCTACTGACTATCCTAGAAATCGCTGTCGCCTTAATCCAAGCCTAC

GTTTTCACACTTTGGTACCCAAAAAAAA

Fig. 5





RATIO OF ACTIN (PSL)	HBL	T47D	MCF7
FTH (530bp)/ACTIN	58.2	77.8	89
CFF1 (SPF-16R)/ACTIN	35.4	150.4	134.7

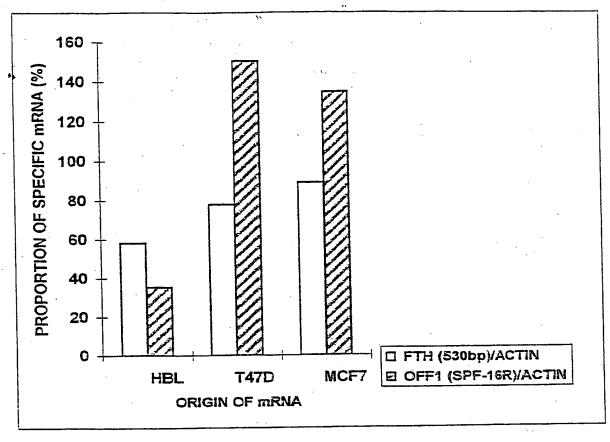


Fig. 6B

PCT/IL99/00485

	1061	ACCAACTGGT	AATGGTAGCG	BNC ACCGGCGCTC	AGCTGGAATTI	CCAAAAAATG
Ī	NCS TAATGCACACI	TCCATTGCAT	TCAGCCCGCC	TCTCCTTAGT	CGCCGCCATG	ACGACCGCGT
(CCACCTCGCA	GGTGCGCCAG	AACTACCACC	X1 AGGACTCAGA	GGCCGCCATC	AACCGCCAGA
	TCAACCTGGA	GCTCTACGCC	TCCTACGTTT	ACCTGTCCAT	GTCTTACTAC	17 TTTGACCGCG
5 .	<u>17</u> ATGATGTGGC	TTTGAAGAAC	TTTGCCAAAT	ACTTTCTTCA	CCAATCTCAT	GAGGAGAGGG
	AACATGCTGA	GAAACTGATG	AAGCTGCAGA	ACCAACGAGG	TGGCCGAATC	TTCCTTCAGG
	ATATCAAGAA	ACCAGACTGT	GATGACTGGG	AGAGCGGGCT	2.1 GAATGCAATG	GAGTGTGCAT
	TACATTTGGA	AAAAAATGTG	AATCAGTCAC	ECOF TACTGGAATT	cecrreredi	ATCTCTCCCA
	GTCCTAGCTG	CTGGCATCAC	татастаста	ACAGACCGCA	ACCTCAACAC	CACCTTCTTC
	GACCCCGCCG	GAGGAAGAGA	CCCCATTCTA	TACCAACACC	TATTCTGATT	TTTCGGTCAC
	CCTGAAGTTT	ATATTCTTAT	CCTACCAGGC	TTCGGAATAA	TCTCCCATAT	TGTAACTTAC
	TACTCCGGAA	SPF ATCGCTGTCG	CCTAACCGCT	AACATTACTG	CAGGCCACCT	ACTCATGCAC
	CTAATTGGAA	728 GCGCCACCCT	AGCAATATCA	ACCATTAACC	TTCCCTCTAC	767 ACTTATCATO
	767 TTCACAATTC	MAATTCTACT	GACTATCCTA	16 GAAATCGCTG	TCGCCTTAAT	CCAAGCCTAC
	GTTTTCACAC	TTCTAGTAA	GCCTCTACCT	GCACGACAAC	ACATAAAAAA	AA

Fig. 7

WO 00/15788					PCT/IL99/0048
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TTGACACCAG	ACCAACTGGT	AATGGTAGCG	ACCGGCGCTC	AGCTGGAATT	OTAAAAATG
TAATGCACAC	TCCATTGCAT	TCAGCCCGCC	TCTCCTTAGT	CGCCGCC: 1220	ACGACCGCGT
CCACCTCGCA	GGTGCGCCAG	AACTACCACC	AGGACTCAGA	GGCCGCCATC	AACCGCCAGA
TCAACCTGGA	GCTCTACGCC	TCCTACGTIT	ACCTGTCCAT	GTCTTACTAC	TTTGACCGCG
ATGATGTGGC	TTTGAAGAAC	TTTGCCAAAT	ACTITICTTCA	CCAATCTCAT	GAGGAGAGGG
AACATGCTGA	GAAACTGATG	Pst1 AAGCTGCAGA	ACCAACGAGG	TGGCCGAATC	TTCCTTCAGG
ATATCAAGAA	ACCAGACTGT	GATGACTGGG	AGAGCGGGCT	GAATGCAATG	GAGTGTGCAT
TACATTTGGA	AAAAAATGTG	AATCAGTCAC	ECOR1 TAC <u>TGGAAT</u> IT	ccerrerect	ATCTCTCCCA
GTCCTAGCTG	CTGGCATCAC	татастаста	ACAGACCGCA	ACCTCAACAC	CACCTTCTTC
GACCCCGCCG	GAGGAAGAGA	CCCCATTCTA	TACCAACACC	TATTCTGATT	TTTCGGTCAC
CCTGTAGTTT	ATATTCTTAT :	CCTACCAGGC	TTCGGAATAA	TCTCCCATAT	TGTAACTTAC
TACTCCGGAA	ATCGCTGTCG	CCTAACCGCT	AACATTACTG	CAGGCCACCT	ACTCATGCAC
CTAATTGGAA	GCGCCACCCT	AGCAATATCA	ACCATTAACC	TTCCCTCTAC	ACTTATCATC
TTCACAATTC	TAATTCTACT	GACTATCCTA	GAAATCGCTG	TCGCCTTAAT	CCAAGCCTAC
GTTTTCACAC	TTCTAGTAA	GCCTCTACCT	GCACGACAAC	ACATAAAAAA	AA

Fig. 8

PCT/IL99/00485 WO 00/15788 12/15

Fig. 9

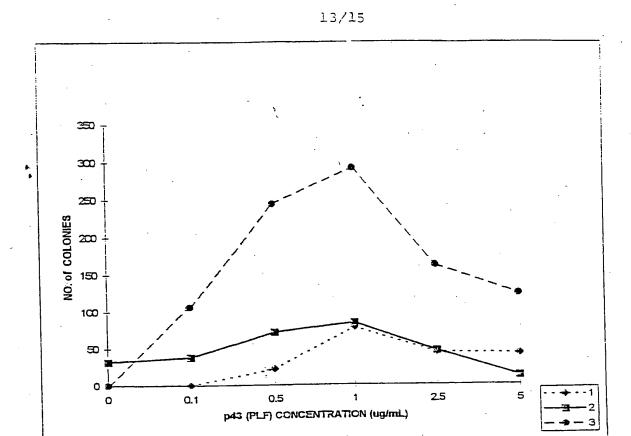


Fig. 10

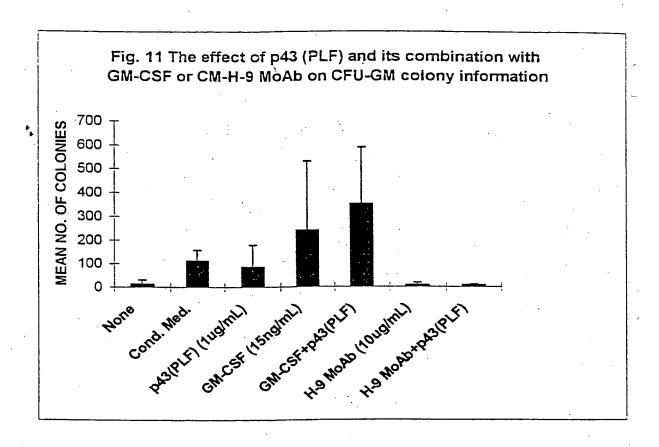


Fig. 11

STEEL STORY STORY

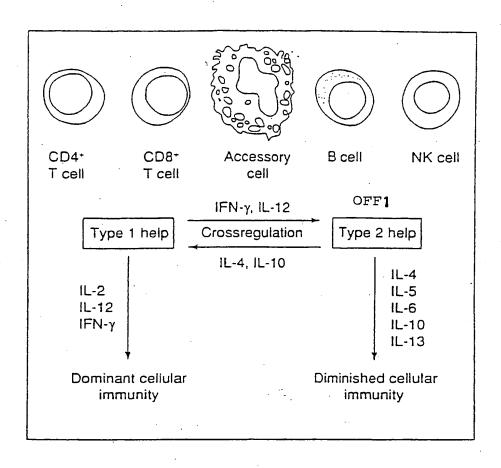


Fig. 12